

# Xenon-Topaz 2.0/30

The Xenon-Topaz 2.0/30 is part of the robust C-Mount lens series for 1.1" sensor up to 12 megapixel resolution.

Optimized for 10 m to 30 m working distance and equipped with 400 nm - 1000 nm broadband AR- coating this lens is the ideal choice to be used in measurement systems in harsh environmental, as traffic surveillance or robot vision.

A version with motorized p-iris is also available. Lenses with 6.5 mm, 25 mm, 38 mm and 50 mm focal length complete the Xenon-Topaz series.



Xenon-Topaz 2.0/30

## Key features

- High-resolution optics for up to 12 megapixel 1.1" sensors
- Optimized for 10 m to 30 m working distance
- Broadband coating (400 - 1000 nm)
- Vibration insensitivity for stable imaging performance
- Version with motorized p-iris available

## Applications

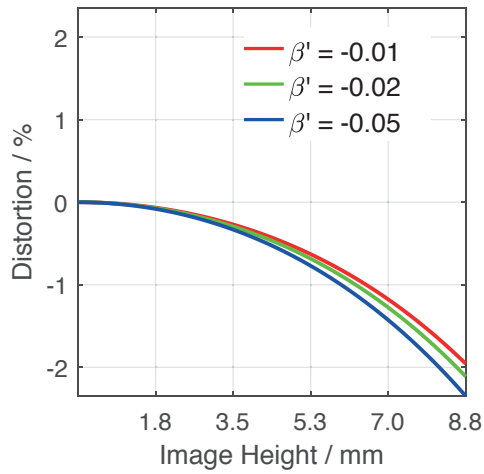
- Traffic
- High-end Surveillance
- Robot Vision
- 3D measurement

Name	Xenon-Topaz 2.0/30
Type	-0903   -1903
Focal Length [mm]	30
Magnification	-0.1
Image circle [mm]	17.6
Resolution $\mu\text{m}$	3.65
F/# range	2 ... 11
NA	0.25
Interface	C-Mount
Working distance [mm]	$\infty$ - 299
AoV [°]	32
Focus control	manual
Transmission [nm]	400 - 1000
Filter thread [mm]	M30.5 x 0,5
Dimensions L x D [mm]	40.5 x 50.0

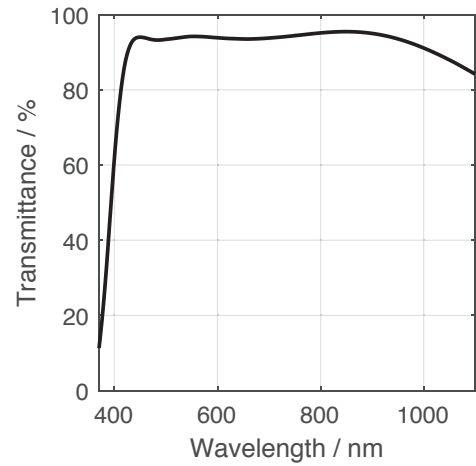
Name	Xenon-Topaz 2.0/30
Weight [g]	204
Storage temperature [°C]	-25 ... +70
$f'_{\text{eff}}$ [mm]	29.99
$S_F$ [mm]	-4.91
$S'_F$ [mm]	14.15
HH' [mm]	-11.76
$\beta'_p$	1.366
$S_{EP}$ [mm]	27.05
$S'_{AP}$ [mm]	-27.00
$\Sigma d$ [mm]	29.16
ID	1078946
ID Motorized p-iris	1084646



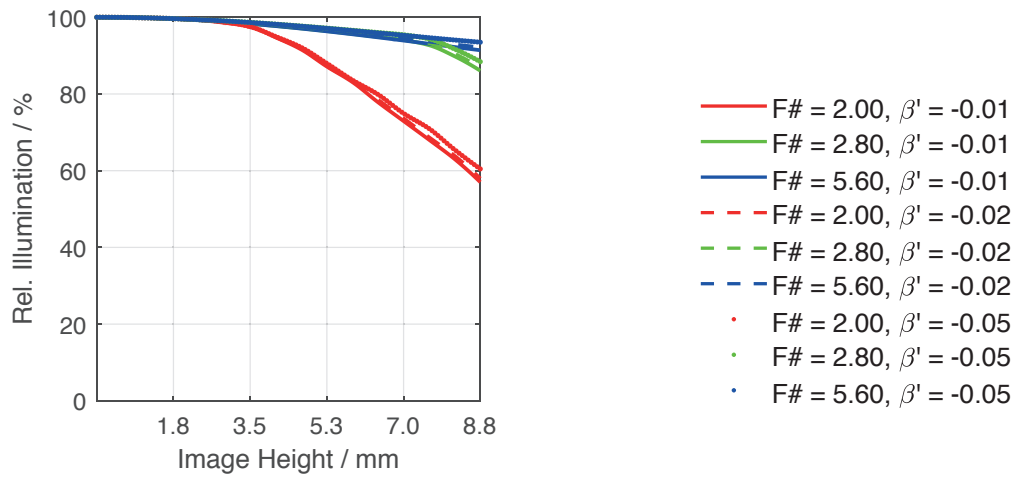
## Distortion vs. Image Height



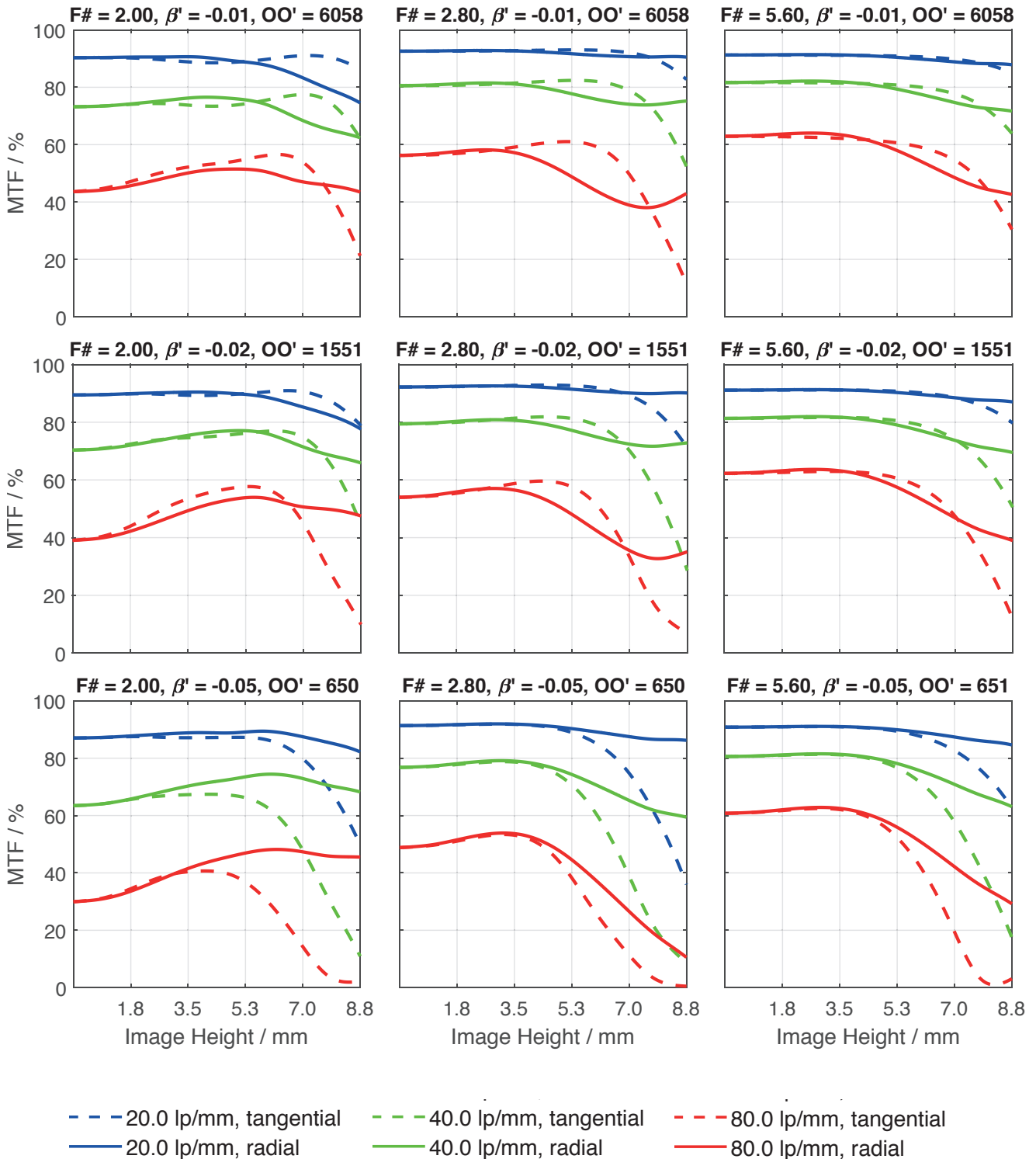
## Transmittance vs. Wavelength



## Relative Illumination vs. Image Height



Spectrum Name	VIS					
Wavelengths [nm]	425	475	525	575	625	675
Weights	8	16	23	22	19	13



Accessories	Mount	Length	ID
Adapter	CS-Mount Adapter	5 mm	25081
	C-Mount / M42 x 1 Adapter	-	1075817
Ext. Tube	C-Mount	5 mm	39316
	C-Mount	8 mm	39315
	C-Mount	10 mm	39312

# Get more information

Contact our local offices



## Headquarter Germany

Jos. Schneider Optische Werke GmbH  
Ringstraße 132  
55543 Bad Kreuznach  
☎ +49 671 601 205  
✉ [cs@schneiderkreuznach.com](mailto:cs@schneiderkreuznach.com)  
[www.schneiderkreuznach.com](http://www.schneiderkreuznach.com)

## Offices Worldwide

### China

☎ +86 755 8832 1170  
✉ [shawn.liu@schneider-asiapacific.com](mailto:shawn.liu@schneider-asiapacific.com)

### North America

☎ +1 800 645 7239 (East Coast)  
☎ +1 800 228 1254 (West Coast)  
✉ [info@schneideroptics.com](mailto:info@schneideroptics.com)

### Singapore

☎ +65 9488 0062  
✉ [thongv@schneiderkreuznach.com](mailto:thongv@schneiderkreuznach.com)